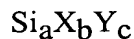


**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for forming a silicon film, comprising:  
~~applying by patterning providing an ink composition containing comprising a~~  
silicon compound onto a substrate by an ink jet process, wherein  
~~the silicon compound having at least one cyclic structure is represented by~~  
 $\text{Si}_n\text{X}_m$ , n representing an integer of 3 or more, m representing an integer of n, 2n-2, 2n, or  
 $2n+2$ , and X representing a hydrogen atom and/or a halogen atom, and  
~~the ink composition to be provided onto the substrate has a surface tension of~~  
20 to 70 dyn/cm for preventing non-linear flight of ink when emitted, and for retaining a  
stable meniscus shape in an ink-jet nozzle.
2. (Previously Presented) The method for forming a silicon film according to claim 1, the ink composition being applied in an inert atmosphere.
3. (Previously Presented) The method for forming a silicon film according to claim 1, further comprising: a drying step of removing a solvent of the composition; and  
a step of pyrolyzing and/or photolyzing in the coating film.
4. (Previously Presented) The method for forming a silicon film according to claim 3, further comprising:  
a step for irradiating the silicon film formed by heat treatment and/or light treatment with laser to convert the amorphous silicon film into a polycrystalline silicon film.
5. (Cancelled)
6. (Currently Amended) ~~The A~~ method for forming a silicon film ~~according to~~  
~~claim 1 comprising:~~

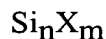
applying by patterning an ink composition containing a silicon compound onto a substrate by an ink jet process, the silicon compound having at least one cyclic structure,  
the silicon compound is a silicon compound represented by



X representing a hydrogen atom, Y representing a boron atom or a phosphorus atom, a representing an integer of 3 or more, b representing an integer of a to  $2a+c$ , and c representing an integer of 1 to a.

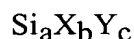
7. (Currently Amended) ~~The A~~ method for forming a silicon film ~~according to claim 1 comprising:~~

applying by patterning an ink composition containing a silicon compound onto a substrate by an ink jet process, the silicon compound having at least one cyclic structure,  
the silicon compound is a composition containing a silicon compound represented by the following general formula and a silicon compound represented by



n representing an integer of 3 or more, m representing an integer of n,  $2n-2$ , or  $2n$ , and X representing a hydrogen atom and/or a halogen atom; and

silicon compound represented by



X representing a hydrogen atom, Y representing a boron atom or a phosphorus atom, a representing an integer of 3 or more, b representing an integer of a to  $2a+c$ , and c representing an integer of 1 to a, at least one of the compounds satisfying one of the formulae is cyclic.

8. (Currently Amended) The method for forming a silicon film according to claim ~~5~~ 1, n being in a range of 5 to 20.

9. (Previously Presented) The method for forming a silicon film according to claim 6, a+c being in a range of 5 to 20.

10. (Previously Presented) The method for forming a silicon film according to claim 1, the silicon compound being dissolved in at least one solvent having a vapor pressure at room temperature of 0.001 to 50 mmHg.

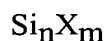
11. (Previously Presented) The method for forming a silicon film according to claim 10, the solvent being a hydrocarbon solvent.

12. (Previously Presented) The method for forming a silicon film according to claim 1, the concentration of the silicon compound in the composition being in a range of 0.01 to 10 percent by weight.

13. (Currently Amended) The method for forming a silicon film according to claim 1, the composition having a viscosity of 1 to 50 mPa·s ~~and a surface tension of 20 to 70 dyn/cm.~~

14. (Currently Amended) An ink-jet ink composition for forming a silicon film, comprising:

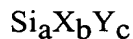
a silicon compound represented



n representing an integer of 3 or more, m representing an integer of n,  $2n-2$ ,  $2n$ , or  $2n+2$ , and X representing a hydrogen atom and/or a halogen atom, ~~the silicon compound having at least one cyclic structure~~ wherein the ink composition to be provided onto the substrate has a surface tension of 20 to 70 dyn/cm for preventing non-linear flight of ink when emitted, and for retaining a stable meniscus shape in an ink-jet nozzle.

15. (Previously Presented) An ink-jet ink composition for forming a silicon film, comprising:

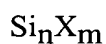
a silicon compound represented by



X representing a hydrogen atom, Y representing a boron atom or a phosphorus atom, a representing an integer of 3 or more, b representing an integer of a to  $2a+c$ , and c representing an integer of 1 to a, the silicon compound having at least one cyclic structure.

16. (Previously Presented) An ink-jet ink composition for forming a silicon film, comprising:

a silicon compound represented by



n representing an integer of 3 or more, m representing an integer of n,  $2n-2$ , or  $2n$ , and X representing a hydrogen atom and/or a halogen atom; and

a silicon compound represented by



X representing a hydrogen atom, Y representing a boron atom or a phosphorus atom, a representing an integer of 3 or more, b representing an integer of a to  $2a+c$ , and c representing an integer of 1 to a.

17. (Previously Presented) The ink composition according to claim 14, n being in a range of 5 to 20.

18. (Previously Presented) The ink composition according to claim 15, wherein  $a+c$  being in a range of 5 to 20.

19. (Previously Presented) The ink composition according to claim 14, the silicon compound being dissolved in at least one solvent having a vapor pressure at room temperature of 0.001 to 50 mmHg.

20. (Previously Presented) The ink composition according to claim 19, the solvent being a hydrocarbon solvent.

21. (Previously Presented) The ink composition according to claim 14, the concentration of the silicon compound in the composition being in a range of 0.01 to 10 percent by weight.

22. (Currently Amended) The ink composition according to claim 14, the composition having a viscosity of 1 to 50 mPa·s ~~and a surface tension of 20 to 70 dyn/cm.~~

23. (Cancelled)